NS208 : Pharmacology For Nursing

General Information

Author:	• Catherine Dudley
Attachments:	DE Addendum_NS_208_(CE) COR_2:22:2023 CoDE_5:28:2024.pdf
Course Code (CB01) :	NS208
Course Title (CB02) :	Pharmacology For Nursing
Department:	NS
Proposal Start:	Spring 2025
TOP Code (CB03) :	(1230.10) Registered Nursing
CIP Code:	(51.3801) Registered Nursing/Registered Nurse.
SAM Code (CB09) :	Advanced Occupational
Distance Education Approved:	Yes
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000331028
Curriculum Committee Approval Date:	09/25/2024
Board of Trustees Approval Date:	11/19/2024
Last Cyclical Review Date:	09/25/2024
Course Description and Course Note:	NS 208 introduces the student to pharmacologic nursing practice from a conceptual approach using core competencies for nurses. Safe and effective pharmacologic management of acute and chronic conditions is emphasized.
Justification:	Content Change
Academic Career:	• Credit
Mode of Delivery:	No value
Author:	No value
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	• Nursing
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

☑ Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07)	2.5
Maximum Credit Units (CB06)	2.5
Total Course In-Class (Contact) Hours	45
Total Course Out-of-Class Hours	90
Total Student Learning Hours	135

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

☐ Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

☐ Cooperative Work Experience Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	2.5	5
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	45

Laboratory	0
Studio	0
Total	45

Course Out-of-Class Hours

Lecture	90
Laboratory	0
Studio	0
Total	90

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Prerequisite

NS205 - Essentials Of Medication Administration

Objectives

- Recognize how diverse patient values, beliefs, and attitudes affect health and the plan of care for patients receiving medications.
- Identify safety protocols for systems improvement in the delivery of nursing practice related to medication administration.
- Identify evidence-based practice in pharmacological nursing management.
- Identify leadership behaviors in the delivery of nursing care for patients on pharmacological therapy.
- Identify communication and collaboration techniques as a member of the healthcare team in the delivery of nursing care for patients on pharmacological therapy.
- Retrieve information using technology for the delivery of nursing care for patients on pharmacological therapy.

OR

Prerequisite

previous completion of equivalent coursework

Entry Standards

Entry Standards	Description
No value	No value

Course Limitations

Cross Listed or Equivalent Course	Description
No value	No value

Specifications

Methods of Instruction

Methods of Instruction	Lecture
Methods of Instruction	Discussion
Methods of Instruction	Multimedia

Out of Class Assignments

- Computer-aided instructional modules
- Evidence-based journal article analysis
- Written assignment (evidence-based practice research project, e.g. legal aspects of medication administration)

Methods of Evaluation	Rationale
Exam/Quiz/Test	Quizzes
Writing Assignment	Critique of the written assignment
Exam/Quiz/Test	Midterm examination
Exam/Quiz/Test	Final examination

Textbook Rationale

No Value

Textbooks

Author	Title	Publisher	Date	ISBN
McCuistion, L. E., Vuljoin-DiMaggio, K., Winton, M. B., & Yeager, J. J.	Pharmacology: A patient-centered nursing process approach (11th ed.)	Elsevier	2023	9780323793155

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Explain diverse patient values, beliefs, and attitudes into an individualized plan of care (PCC) for patients receiving medications. Identify nursing implications established by standards of care when drug administration is part of the patient/client's therapy.

Summarize safety protocols for system improvement in the delivery of nursing practice related to medication administration. Explain the effects of medication on human needs, considering factors such as age, gender, ethnicity, metabolism, and health problems.

Summarize evidence-based approaches in the delivery and evaluation of nursing care for patients receiving medications. Describe effective approaches to patient teaching to improve safety and efficacy of pharmacologic therapy.

Summarize leadership, accountability, and professional behaviors in pharmacological nursing management.

Explain communication and interprofessional collaboration in pharmacological nursing management.

Use information technology in pharmacological nursing management.

SLOs

Explain similarities and differences between medications in the same class and between classes of medications that are used in the treatment of a variety of health care problems.

Expected Outcome Performance: 70.0

NS Registered Nursing - A.S. Degree Major	Demonstarte requiste knowledge of the profession of registerd nursing by successfully passing the NCLEX-RN Board Exam.
ILOs Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
NS Critical Care Nursing Skill Award	Integrate critical knowledge, skill, and attitude in the nursing process.

Demonstrate knowledge in pharmacological nursing necessary for safe patient care. Expected Outcome Performance: 70.0

NS Registered Nursing - A.S. Degree Major	Complete the nursing program with requiste knowledge of the discipline including clinical evidenced-based practice within a required time frame.
	Demonstarte requiste knowledge of the profession of registerd nursing by successfully passing the NCLEX-RN Board Exam.
ILOs Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
NS Critical Care Nursing Skill Award	Integrate critical knowledge, skill, and attitude in the nursing process.

Identify adverse and untoward effects of selected medications that might interfere in meeting and maintaining basic human needs.
Expected Outcome Performance: 70.0

NS Registered Nursing - A.S. Degree Major	Demonstarte requiste knowledge of the profession of registerd nursing by successfully passing the NCLEX-RN Board Exam.
ILOs Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
NS Critical Care Nursing Skill Award	Integrate critical knowledge, skill, and attitude in the nursing process.

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

Overview of the Course (1 hour)

- Review of nursing responsibilities
- Compliance and patient education-address DEIA awareness in patient education
- Drug therapy as an intervention within the nursing process
- Pharmacologic agents and human need fulfillment

Drugs for Pain Avoidance and Comfort Needs (4.5 hours)

- Pain assessment and evaluation
- Pain theories and pathways
- Inflammation
- Nonnarcotic analgesics
- Narcotic agonists and antagonists
- General, local, and topical anesthetic agents
- Substance dependency and abuse

Drugs to Maintain Body Integrity and Treat Infection (5 hours)

- Antimicrobial spectrum and drug selection
- Factors affecting drug use and effectiveness
- Antibacterials
- Antituberculars and antileprotics
- Antiviralso Antifungals
- Antimalarials/antiprotozoals
- Antihelmintics
- Urinary antiseptics

Drugs Used for Oxygenation/Perfusion Needs Related to Cardiovascular Problems (5 hours)

- Assessment of cardiovascular function
- Cardiac glycosides
- Antiarrythmics
- Antianginals
- Antihypertensives
- Diuretics
- Antilipidemics

Drugs Used for Elimination, Nutrition, and Hydration Needs (4 hours)

- Common GI health problems and symptoms
- Use of over-the-counter preparations
- Absorbents, antiflatulents, and digestive agents
- Antidiarrheal and laxative agents
- Emetics and antiemetic agents
- Peptic Ulcer agents

Drugs for Physiologic Needs for Stimulation and Survival (5 hours)

- Review of the autonomic nervous system
- Cholinergic and cholinergic blocking agents
- Adrenergic and adrenergic blocking agents
- Neuromuscular blocking agents

Drugs for Cognitive, Perceptual, and Rest Needs (4 hours)

- Review of the physiology and anatomy of the CNS and sleep cycle
- Sedative and hypnotic agents
- Neuromuscular blocking agents
- Antidepressant and antimanic agents
- Antianxiety agents
- Antipsychotic agents

Drugs for Cognitive, Perceptual, and Activity Needs (3 hours)

- Review of the peripheral nervous system
- Skeletal muscle relaxing agents
- Antiparkinson agents
- Anticonvulsant agents

Drugs for Body Integrity Needs related Endocrine Health Disorders (4 hours)

- Review of the endocrine system and its relationship to stress
- Hypoglycemic agents and glucagons
- Thyroid and antithyroid agents
- Parathyroid agents
- Pituitary agents
- Androgenic and anabolic steroid agents

Drugs Used for Oxygenation/Perfusion Needs Related to Respiratory Health Problems (5 hours)

- Review of the respiratory system
- Methylxanthine derivatives
- Expectorants, antitussives, and mucolytics
- Decongestants

Drugs for Physiologic Needs for Survival Related to Hematological Health Problems (3 hours)

- Review of plasma and types of blood cells
- Hematinics
- Anticoagulants
- Thrombolytics
- Antiplatelet aggregation

Drugs for Body Integrity Needs Related toInflammation, Allergy, and Organ Rejection (1 hour)

- Review of the inflammatory process
- Antihistaminic agents
- Corticosteroid and other immunosuppressant agents
- Uricosurics, antigout agents, and gold salts

Uncategorized and Other Agents (0.5 hour)

Total hours: 45

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liason?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

Yes

If yes, in what areas were these changes made:

- Course Content

Will any additional resources be needed for this course? (Click all that apply)

No Value

If additional resources are needed, add a brief description and cost in the box provided.

No Value